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Cc: Gary.Foster@CH2M.com[Gary.Foster@CH2M.com]; George.Hicks@CH2M.com[George.Hicks@CH2M.com]; John Rolfe[jrolfe@demaximis.com]; Willard Potter[otto@demaximis.com]; Robert Law[rlaw@demaximis.com]; BudneySL@cdmsmith.com[BudneySL@cdmsmith.com]
From: Vaughn, Stephanie
Sent: Wed 8/21/2013 12:53:24 PM
Subject: RE: Removal Area Calculations

Thanks, Stan.

The total volumes to be dredged do not agree with what's in the Final Design report and are significantly lower than the design suggests. According to Appendix C of the design, the total CY for a straight 2' cut would be 16,855 and the total CY with a 4" overdredge would be 19,375. These numbers straddle the 18,000 CY estimate, as I would expect, and the no-dredge zone was taken into account.

In addition, I believe the total volume dredged from Section 1 already exceeds the high volume estimate for this area (i.e., 5,338 CY).

Overall, something isn't adding up right, and I want to make sure that the entire removal area is addressed. Please verify the areas and let's discuss. I will have CDM review this issue as well.

Stephanie

From: Stan Kaczmarek [mailto:StanK@demaximis.com]
Sent: Tuesday, August 20, 2013 11:17 PM
To: Hoppe, Michael; Vaughn, Stephanie
Cc: Gary.Foster@CH2M.com; George.Hicks@CH2M.com; John Rolfe; Willard Potter; Robert Law
Subject: Removal Area Calculations

As requested, we calculated the range of cubic yardage that each dredge section could yield.

	Cubic Yards 3" Above Grade	Grade 4" Below Grade	Percent of Total
Section 1	4,004	4,576	5,338%
Section 2	5,080	5,806	6,738%

Section	4,237	4,842	5,642
3			18%
Totals	13,321	15,224	17,758

Section 1 which should be completed on Wednesday, represents 30% of the project's dredge area.

The totals listed above do not include the No-Dredge zone.

Stan Kaczmarek, PE

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